#### INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/052056

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C219/08 C07C213/08 C08F20/34 C07C213/10 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C07C C08F IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1,6-13 WO 01/55089 A (CHAPLINSKI VLADIMIR Α ;ATOFINA (FR); ESCH MARC (FR); RIONDEL ALAIN () 2 August 2001 (2001-08-02) page 3, line 25 - line 26; claims 1-10; examples 1,2 1,6-13 WO 01/55088 A (CHAPLINSKI VLADIMIR A ;ATOFINA (FR); RIONDEL ALAIN (FR); TEMBOU N ZU) 2 August 2001 (2001-08-02) cited in the application page 5, line 20 - line 24; claims 1-13; examples 1,2 WO 01/55225 A (ATOFINA ; RIONDEL ALAIN (FR); VANHOYE DIDIER (FR); TEMBOU N ZUDIE 1,6-13 Α D) 2 August 2001 (2001-08-02) cited in the application claims 1-6,9,10; examples 1-4 Patent family members are listed in annex. Further documents are listed in the continuation of box C. X I "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the involve. \* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "E" earlier document but published on or after the international "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 17 02 2005 10 November 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31 651 epo ril, Fax (+31-70) 340-3016 Rufet, J

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International Application No
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Ą	EP 1 179 552 A (ATOFINA) 13 February 2002 (2002-02-13) claims 1-26; examples 1-4 & US 2002/035198 A1 21 March 2002 (2002-03-21) cited in the application	1,6-13
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A	FR 1 568 382 A (NAUCHNO-ISSLEDOVATELSKY INSTITUT) 23 May 1969 (1969-05-23) cited in the application page 2 - page 3; table 1	1
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International application No. PCT/EP2004/052056

# INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely	!
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:	
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	4
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos:	
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1, 6-12 partly, 13 and 18-24 partly	
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees	

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 6-12 partly, 13 and 18-24 partly

A Process for the preparation of (meth)acrylate di-ammonium salts of formula (I) using a specific organic solvent wherein the compound of formula (I) has a solubility at  $25^{\circ}$ C of less than 1g/100g of solvent and product thereof

2. claims: 2-5, 6-12 partly, 14-16 and 18-24 partly

Polymerisation process comprising units derived from at least one (meth)acrylate di-ammonium salt of formula (I), polymer and use thereof

3. claims: 17 and 18-21 partly

Process for the manufacture of a di-amino (meth)acrylate of formula (II) by transesterification using a lithium catalyst

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP2004/052056

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